

REMARKS

Claims 1, 3-7, 10, 11, 13-20, 22-34, 36-40, 43, 44, 46-53, 55-67, 69-73, 76, 77, 79-86 and 88-99 are currently pending in this application. By this paper, claims 1, 3, 20, 26, 30, 34, 53, 59, 63, 67, 86, 92 and 96 are amended. No new matter has been added.

35 USC 112

At paragraph 4 of the Office Action, the Examiner rejects claims 1, 3-7, 10, 11, 13-20, 22-34, 36-40, 43, 44, 46-53, 55-67, 69-73, 76, 77, 79-86 and 88-99 under 35 U.S.C. §112, second paragraph. In particular, the Examiner notes a lack of antecedent basis for the term, “subject code.” Concerning claim 1, the Applicant amends step (a) to recite “dividing a subject code into a plurality of blocks” to introduce an appropriate antecedent for the term “subject code.” The Applicant also amends claims 20, 26, 30, 34, 53, 59, 63, 67, 86, 92 and 96 similarly to provide antecedent basis.

The Applicant further amends claim 3 to depend from base claim 1.

As amended, the Examiner’s rejection of claims 1, 3-7, 10, 11, 13-20, 22-34, 36-40, 43, 44, 46-53, 55-67, 69-73, 76, 77, 79-86 and 88-99 is no longer proper and should be withdrawn.

35 USC 102

At paragraph 6 of the Office Action, the Examiner rejects claims 1, 3-7, 10, 11, 13-20, 22-34, 36-40, 43, 44, 46-53, 55-67, 69-73, 76, 77, 79-86 and 88-99 under 35 U.S.C. §102(b) as being anticipated by Barrio, “Study of the Techniques for Emulation Programming,” The Technical University of Catalonia (UPC), Europe, pp.1-152, 6-2001 (<http://personals.ac.upc.edu/vmoya/docs/emuprog.pdf>). The Applicant traverses these rejections.

Concerning claim 1, the Examiner refers particularly to Barrio at pages 18 and 19. Here, Barrio in Section 2.1 discusses the basic features of an Interpreter Emulator. Then, at Section 2.2, Barrio discusses the basic features of Binary Translation.

However, Sections 2.1 and 2.2 of Barrio do not concern “A method of verifying program code conversion performed by an emulator” as recited in claim 1.

Also, Barrio does not disclose “dividing subject code into a plurality of blocks and executing one of the blocks of subject code through an emulator in a process image on a subject processor according to an emulation context up until a comparable point in the subject code to provide an emulated machine state;” as recited in step (a) of claim 1.

Further, Barrio does not disclose “performing a context switch to a native context” as in step (b) of claim 1.

Further still, Barrio does not disclose “executing the same block of subject code natively in the same process image on the same subject processor up until the same comparable point in the subject code to provide a native machine state” as recited in step (b) of claim 1. There is no discussion in Barrio that one should both execute the subject code through an emulator as in step (a) of claim 1 and also execute the same block of subject code natively in the same process image on the same subject processor as in step (b) of claim 1.

It follows then that Barrio also does not disclose “comparing the native machine state from execution of the one block of subject code natively on the subject processor against the emulated machine state from execution of the same block of subject code on the same subject processor through emulator at the comparable point in the subject code; wherein the native machine state includes a native memory image and the emulated machine state includes an emulated memory image and the step (a) and/or the step (b) includes selectively isolating access to a memory associated with the subject processor to obtain the native memory image and/or the emulated memory image, respectively” as in step (c) of claim 1.

Since Barrio does not teach or suggest all of the limitations of claim 1, that claim should be allowable.

The argument set forth above also applies to the remaining rejected independent claims 20, 26, 30, 34, 53, 59, 63, 67, 86, 92 and 96, so those claims should be allowable.

The remaining dependent claims all depend from an allowable base claim, so those claims should also be allowable.

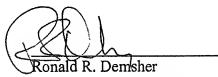
In view of the above amendment, applicant believes the pending application is in condition for allowance.

Filed herewith is a Request for a Two-Month Extension of Time, which extends the statutory period for response to expire on October 29, 2008. Accordingly, Applicant respectfully submits that this response is being timely filed.

Applicant believes no other fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 08-0219, under Order No. 1801270.00131US1 from which the undersigned is authorized to draw.

Respectfully submitted,

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Ronald R. Demsher
Registration No.: 42,478
Attorney for Applicant(s)

Wilmer Cutler Pickering Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
(617) 526-6000 (telephone)
(617) 526-5000 (facsimile)